

# North Dakota Industrial Commission Follow-up Spill Report

API Number <b>33 - 099 - 0090</b>					Well File or Facility No. <b>90090</b>				
Operator <b>Petro Harvester Operating Company, LLC</b>								Telephone Number <b>701-756-6310</b>	
Address <b>1050 17th Street, Suite 2400</b>					City <b>Denver</b>		State <b>CO</b>	Zip Code <b>80265</b>	
Well Name and Number or Facility Name <b>Cramer SWD 1</b>					Field <b>Renville</b>				
Location of Well or Facility		Footages <b>2524 F N L 2536 F W L</b>		Qtr-Qtr <b>SENW</b>	Section <b>8</b>	Township <b>161 N</b>	Range <b>82 W</b>	County <b>Bottineau</b>	
Description of Spill Location if not on Well or Facility Site and/or Distance and Direction from Well or Facility <b>Located off of well pad at NW/SW Sec. 5, T161, R82</b>									
Directions to Site <b>From Mohall, go east on Highway [REDACTED] miles, go north on Highway [REDACTED] NW, site is on the right</b>									
Release Discovered By <b>Contractor</b>		Date Release Discovered <b>July 20, 2011</b>		Time Release Discovered <b>10 : 00 AM</b>		Date Release Controlled <b>July 20, 2011</b>		Time Release Controlled <b>1 : 30 PM</b>	
Company Personnel Notified <b>[REDACTED]</b>		How Notified <b>Phone</b>		Date Notified <b>July 20, 2011</b>		Time Notified <b>1 : 30 PM</b>			
Type of Incident <b>Pipeline Leak</b>			Root Cause of Release <b>Equipment Failure/Malfunction</b>			Date Clean up Activities Concluded <b>December 15, 2011</b>			
Distance to Nearest Residence or Occupied Building <b>1/4 Miles</b>			Distance to Nearest Fresh Water Well <b>.25 Miles</b>						
Piping Specifics (If Applicable)		Size (Decimal Format) <b>4.000 "</b>		Type <b>Fiberglass</b>			Location of Piping <b>Buried</b>		
Volume of Release		Oil		Saltwater <b>300.00 Barrels</b>			Other		
Volume of Release Recovered		Oil		Saltwater <b>Unknown</b>			Other		
Was Release Contained Within Dike <b>No</b>		If No, Was Release Contained on Well Site <b>No</b>			If No, Was Release Contained on Facility Site or Pipeline ROW <b>No</b>				
Areal Extent of Release if not Within Dike <b>24.4 acres</b>				Affected Medium <b>Topsoil</b>			General Land Use <b>Cultivated</b>		
Describe Cause of Release or Fire and Other Type of Incidents, Root Causes of Release, Land Uses, and Released Substances <b>Hole in pipeline caused a release of produced water in the subsurface.</b>									
Action Taken to Control Release and Clean Up Action Undertaken <b>Pipeline was shut in immediately. Soil berms were constructed around the visibly impacted areas to contain the release. Drainage tiles were installed and 40 truckloads of DeSalt chemical treatment were applied. Over 1400 bbls of water were recovered from the sump and drainage tile system. Confirmation sampling in Spring.</b>									
Potential Environmental Impacts <b>Contaminated soil.</b>									
Planned Future Action and/or Action Taken to Prevent Reoccurrence <b>Line replaced.</b>									
Where Were Recovered Liquids Disposed <b>Injected</b>					Where Were Recovered Solids Disposed <b>NA</b>				
Weather Conditions	Wind Speed <b>10 MPH</b>	Wind Direction <b>WSW</b>	Temperature <b>69 ° F</b>	Skies <b>Clear</b>		Estimated Cleanup Cost <b>\$ 2.5 million</b>		Damage Value <b>\$ Unknown</b>	
Regulatory Agencies/Others Notified <b>NDIC/NDDH</b>		Person Notified <b>C. [REDACTED]</b>		Date Notified <b>July 21, 2011</b>		Time Notified <b>7 : 01 AM</b>		Notified By <b>[REDACTED]</b>	
Fee Surface Owner						:			
						:			
Federal Agency		Lease Number							
<b>BLM</b>		<b>NA</b>				:			
<b>USFS</b>		<b>NA</b>				:			
Report Originator <b>[REDACTED]</b>				Title <b>PM, Kleinfelder</b>			Date <b>February 28, 2012</b>		
Reviewed By <b>[REDACTED]</b>				Title <b>Field Supervisor, Petro Harvester</b>			Date <b>February 28, 2012</b>		